AMENDMENTS TO THE CLAIMS

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| 1-6. (Canceled) | |
|---|---|
| 7. (Canceled) | |
| 8. (Currently Amended) hydraulic pump <u>press</u> . | The method of claim 78, wherein the actuator comprises a |
| 9. (Canceled) | |
| 10. (Canceled) | |
| 11. (Canceled) | |
| 12. (Currently Amended) flexible-and noncompliant. | The method of claim 78, wherein the delivery hydraulic tube is |
| 13. (Canceled) | |
| 14. (Canceled) | |
| 15. (Canceled) | |
| 16. (Canceled) | |
| 17. (Canceled) | |
| 18. (Canceled) | |
| 19. (Canceled) | |
| in the patient. | The method of claim 78, further comprising a cannula an injection port for delivery of the viscous material to the desired injection site |
| 21-35. (Canceled) | |

36. (Currently Amended) The method of claim 37, <u>further comprising</u> a separator sized to move within the inner bore of the tube while separating the viscous material from the incompressible fluid.

- 37. (Previously Presented) A method of delivering a viscous material under fluoroscopy to a site in a patient comprising the steps of:
- a) providing a delivery tube containing an incompressible fluid and a viscous material, wherein the viscous material is located within the fluoroscopy field and the viscous material comprises bone cement; and
- b) pressurizing the incompressible fluid outside the fluoroscopy field to exert pressure on the viscous material.
- 38. (Currently Amended) The method of claim 37 wherein the delivery hydraulic tube is flexible-and noncompliant.
- 39. (Previously Presented) The method of claim 37 wherein the step of pressurizing the incompressible fluid, comprises using a linear actuator.
- 40. (Previously Presented) The method of claim 37 further comprising the step of: a) determining the amount of viscous material delivered from a visualization window.
- 41-49. (Canceled)

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- 50. (Previously Presented) A method according to claim 37, further comprising applying force amplification on the incompressible fluid.
- 51. (Previously Presented) A method according to claim 37, further comprising applying force amplification on the incompressible fluid by mechanical advantage.
- 52-58. (Canceled)
- 59. (Currently Amended) A method according to claim 37, comprising cooling said bone cement in a manner sufficient to delay its solidification hardening.

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60. (Withdrawn) A method according to claim 37, further comprising replacing a cement chamber during a single medical procedure.

- 61. (Previously Presented) A method according to claim 37, further comprising delivering 10 cc of bone cement to a bone.
- 62. (Canceled)
- 63-77. (Canceled)
- 78. (Previously Presented) A method of delivering a viscous bone cement material under fluoroscopy to a site in a patient, comprising:

providing a delivery device having:

a container containing a viscous bone cement prior to the bone cement having set, the container having an exit port;

an actuator having an actuator vessel, the actuator vessel containing an incompressible fluid; and

a hydraulic coupling tube connecting the actuator vessel to the container;

locating the container with respect to the patient so that cement leaving the container through the exit port is delivered to a desired injection site within the patient; and

while at least a portion of the patient is subjected to fluoroscopic imaging, actuating the actuator from a location outside a field of fluoroscopic imaging to hydraulically drive a flow of viscous bone cement through the exit port to the desired injection site within the patient.